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(71) Applicant (for all designated States except US): **INTEL CORPORATION** [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).

(72) Inventor (for US only): **BORODOVSKY, Yan**; 6830 Swocesen Road, Portland, OR 97223 (US).

(74) Agents: **HARRIS, Scott, C.** et al.; Fish & Richardson, P.C., 12390 El Camino Real, San Diego, CA 92130 (US).

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(54) Title: COMPOSITE PATTERNING WITH TRENCHES

(57) Abstract: Systems and techniques for printing substrates. In one implementation, a method includes patterning a substrate with a substantially arbitrary arrangement of features by introducing irregularity into an array of repeating lines and spaces between the lines.



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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/033432

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G03F7/20 G03F7/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 517 280 A (OKAMOTO ET AL) 14 May 1985 (1985-05-14)	1-4, 6-14, 16-29, 35, 36 5, 15
Y	the whole document	
X	EP 0 915 384 A (CANON KABUSHIKI KAISHA) 12 May 1999 (1999-05-12) the whole document	1, 2, 4-36
Y	EP 0 964 305 A (CORNING INCORPORATED) 15 December 1999 (1999-12-15) the whole document	5, 15
X	US 5 415 835 A (BRUECK ET AL) 16 May 1995 (1995-05-16) column 7; figure 21	1
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☒ Further documents are listed in the continuation of box C.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.  
Fax: (+31-70) 340-3016

Authorized officer

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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